

5        We claim:

1.        A method of wireless network communication comprising:

communicating over a plurality of carriers between at least one network access  
point and a plurality of clients;

monitoring at least one dedicated carrier for new clients seeking to associate with

10      the network;

detecting a new client over the at least one dedicated carrier;

associating the new client to the network.

2.        The method of claim 1 wherein the step of communicating over a plurality of

15      carriers comprises communicating over orthogonal frequency domain multiplexing frequencies.

3.        The method of claim 1 wherein the step of communicating over a plurality of

carriers comprises employing at least one adaptive directional antenna on the at least one access  
point.

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4.        The method of claim 1 wherein the step of communicating over a plurality of

carriers comprises employing at least one antenna operated in an omnidirectional manner on the  
at least one access point.

25        5.        The method of claim 1 wherein the step of monitoring the at least one dedicated

carrier comprises employing at least one omnidirectional antenna on the at least one access point.

5           6.     An implementation for network communication comprising:  
at least one network access point for communicating with a plurality of clients  
over a plurality of carriers;

means for monitoring at least one dedicated carrier for new clients seeking to  
associate with the network;

10           means for detecting a new client over the at least one dedicated carrier;

means for associating the new client to the network.

7.     The implementation of claim 6 wherein the plurality of carriers comprises  
orthogonal frequency domain multiplexing frequencies.

15           8.     The implementation of claim 1 wherein the at least one network access point  
comprises at least one adaptive directional antenna employed for communicating over the  
plurality of carriers.

20           9.     The implementation of claim 1 wherein the at least one network access point  
comprises at least one omnidirectional antenna employed for communicating over the plurality of  
carriers.

10.     The implementation of claim 1 therein the means for monitoring the at least one  
25     dedicated carrier comprises at least one omnidirectional antenna employed on the at least one  
access point.